

Voucher Report for the 2015 North American Mycological Association Foray

Blue Ridge Foray
Asheville, North Carolina
September 24-27, 2015

By Patrick R. Leacock, NAMA Voucher Collection Project
pleacock@fieldmuseum.org

Summary

The 2015 annual foray was held September 24 - 27, 2015, at the YMCA Blue Ridge Assembly, Black Mountain, North Carolina. It was hosted by the Asheville Mushroom Club and the Mushroom Club of Georgia. Dr. Alan E. Bessette served as Chief Mycologist. Collecting areas included Blue Ridge Parkway, Dupont State Forest, Lake James State Park, and Pisgah National Forest. This was the fifth NAMA annual foray in North Carolina, the previous being 1974, 1980, 1994, and 2004.

Many thanks go to Adele Mehta, recorder, and the NAMA-sponsored voucher assistants: Thea Chesney, University of California – Berkley; Hailee Korotkin, University of Tennessee; Rachel Swenie, University of Tennessee; and Jessie K Uehling, Duke University. Tremendous thanks to the hard work of Mike Hopping and all the volunteers who operated the display area so well. We thank the board and trustees of NAMA for their continued support of the voucher program. The NAMA specimens are accessioned into the permanent herbarium collection at the Field Museum of Natural History (F).

Molecular work is underway for many of the foray vouchers to generate DNA sequences. La Monte H. P. Yarroll led the work of obtaining

tissue samples during the foray from 200 of the vouchers. The DNA sequencing is carried out by Rytas Vilgalys and his students, Duke University.

This species list has 369 taxa (genus, species, varieties), comprising 62 ascomycetes (24 lichens), 305 basidiomycetes, and 2 myxomycetes. The most diverse genera were *Amanita* (22), *Lactarius* and *Lactifluus* (20), *Russula* (15), and *Cortinarius* (13). Identifications were made by 30 persons including Alan E. Bessette, Walter E. Sturgeon, Otto Miettinen, Renée Lebeuf, Brian P. Looney, Dorothy C. Smullen (lichens), Rodham E. Tulloss, Arlene R. Bessette, Patrick R. Leacock, N. Jay Justice, and 20 others. There are 381 voucher collections preserved from the foray. Taxa with more than one voucher specimen are indicated "(2)". Twenty-five listed names do not have voucher specimens, marked with asterisk.

This species list with images and collection data will be posted on Mushroom Observer (http://mushroomobserver.org/observer/show_user/3534). Additional information about the NAMA Voucher Collection project can be found on the NAMA website (http://www.namyco.org/voucher_collection_project.php).

Kingdom Fungi

Ascomycota

Aleuria aurantia
Annulohypoxylon multiforme var. multiforme
Bisporella citrina
Chlorociboria aeruginascens
Chlorosplenium chlora
Chrysothrix cf. candelaris
Cladonia arbuscula
Cladonia coniocraea
Cladonia cristatella (2)
Cladonia piedmontensis
Cladonia uncialis
Cordyceps militaris
Cordyceps tuberculata (2)
Daldinia childiae
Diatrype stigma
Dibaeis baeomyces [Baeomyces roseus]
Flavoparmelia caperata *
Helvella crispa group
Helvella macropus complex
Hormomyces aurantiacus
Hymenoscyphus fructigenus
Hymenoscyphus scutula
Hypomyces armeniacus
Hypomyces cervinigenus [on Helvella]
Hypomyces chrysospermus
Hypomyces completus
Hypomyces lactiflorum
Hypomyces lateritius
Hypomyces leotiicola
Hypomyces luteovirens
Hypoxylon sp. *
Ionomidotis fulvotrigens
Leotia lubrica
Lobaria pulmonaria
Ophiocordyceps sphecocephala
Ophiocordyceps unilateralis [Cordyceps]
Orbilbia xanthostigma
Otidea onotica
Parmotrema chinense
Parmotrema hypotropum [P. hypotrypum] (2)
Parmotrema perforatum
Parmotrema submarginale [P. michauxianum]
Peltigera canina
Phaeocalicium polyporaem
Phaeohelotium epiphyllum
Platismatia tuckermanii
Protocrea pallida
Punctelia rudecta
Scutellinia scutellata

Tatraea macrospora
Tolypocladium capitatum [Elaphocordyceps capitata]
Trichoderma harzianum
Tuckermannopsis americana
Usnea ceratina
Usnea rigida
Usnea rubicunda
Usnea strigosa *
Vulpicida viridis
Xanthocarpia feracissima [Caloplaca] *
Xylaria longipes
Xylaria polymorpha
Xylaria sp.

Basidiomycota

Albatrellus cristatus (2)
Albomagister subaustralis
Alnicola sp.
Amanita atkinsoniana
Amanita brunnescens
Amanita cinereoconia
Amanita daucipes
Amanita flavoconia
Amanita fulva
Amanita lavendula (2)
Amanita lavendula group
Amanita magniradix Tulloss nom. prov.
Amanita microlepis *
Amanita muscaria var. guessowii
Amanita pelioma
Amanita persicina
Amanita polypyramis
Amanita cf. pseudovolvata
Amanita ravenelii
Amanita rhacopus group
Amanita rhopalopus
Amanita subcokeri
Amanita section Lepidella (cf. marginata)
Amanita section Lepidella subsect. Solitariae
Amanita section Phalloideae (2)
Amanita section Phalloideae 2
Ampulloclitocybe clavipes
Antrodia favescent
Armillaria gallica
Armillaria mellea
Armillaria sinapina
Arrhenia epichysium [Omphalina]
Artomyces pyxidatus
Astraeus hygrometricus group (2)
Aureoboletus auriporus
Aureoboletus innixus (2)

Auricularia americana ['deciduous unit']
 Austroboletus gracilis (2)
 Boletus pallidoroseus
 Boletus subvelutipes
 Bondarzewia berkeleyi
 Byssomerulius incarnatus [Phlebia incarnata]
 Calocera cornea
 Calostoma cinnabarinum
 Calostoma lutescens (3)
 Cantharellus cinnabarinus
 Cantharellus minor
 Cerrena unicolor
 Chamonixia brevicolumna
 Chroogomphus ochraceus
 Chroogomphus sp.
 Clavulina cinerea
 Clavulina coralloides
 Clavulinopsis sp. *
 Climacocystis borealis
 Clitocybe nuda (2)
 Clitocybe odora
 Clitocybe trulliformis [C. trullaeformis] (2)
 Clitopilus prunulus
 Collybia cookei
 Collybia tuberosa
 Coltricia cf. montagnei
 Coprinellus micaceus [Coprinus]
 Coprinopsis atramentaria [Coprinus atramentarius]
 Coprinus comatus
 Cortinarius alboviolaceus
 Cortinarius armillatus
 Cortinarius bolaris
 Cortinarius camphoratus
 Cortinarius caperatus
 Cortinarius flavifolius
 Cortinarius harrisonii
 Cortinarius huronensis
 Cortinarius squamulosus
 Cortinarius talus
 Cortinarius violaceus
 Cortinarius sp. (2)
 Crepidotus cf. applanatus
 Crucibulum laeve
 Cuphophyllus pratensis *
 Cuphophyllus virgineus [Hygrocybe virginea] (2)
 Cyathus striatus
 Cyptotrama asprata
 Cystoderma amianthinum
 Cystodermella cinnabarina [Cystoderma]
 Dacrymyces chrysospermus
 Dacryopinax spathularia
 Daedaleopsis confragosa (2)
 Diplomitoporus overholtsii

Entoloma abortivum
 Exidia recisa
 Fistulina hepatica
 Fomitiporia robusta [Phellinus robustus]
 Fomitopsis cajanderi (2)
 Fomitopsis spraguei (2)
 Fulvifomes rimosus [Phellinus rimosus]
 Fulvifomes robiniae [Phellinus robiniae] (2)
 Fuscoporia gilva [Phellinus gilvus] (2)
 Ganoderma applanatum group
 Ganoderma curtisii
 Ganoderma lucidum group
 Ganoderma tsugae *
 Gloeoporus dichrous
 Gomphidius maculatus
 Gomphidius nigricans
 Grifola frondosa
 Gymnopilus picreus
 Gymnopilus cf. sp.
 Gymnopus confluens
 Gymnopus dichrous
 Gymnopus dryophilus
 Gymnopus kauffmanii
 Gymnopus lachnophyllus [Marasmius cohaerens var. lachnophyllus]
 Gymnopus semihirtipes
 Gymnopus spongiosus
 Gymnopus subnudus
 Gyroporus castaneus *
 Hebeloma sp.
 Heimioporus betula *
 Heliocybe sulcata [Lentinus sulcatus]
 Hericium coralloides
 Heterobasidion irregulare (2)
 Humidicutis marginata [Hygrocybe]
 Hydnellum concrescens (2)
 Hydnellum spongiosipes
 Hydnochaete olivacea
 Hydnum repandum
 Hydnum umbilicatum
 Hygrocybe flavescens *
 Hygrocybe miniata
 Hygrocybe punicea
 Hygrophoropsis aurantiaca
 Hygrophorus russula
 Hymenochaete corrugata
 Hymenopellis furfuracea
 Hymenopellis incognita
 Hyphodontia cf. quercina [Xylodon cf. quercinus]
 Hypholoma capnoides
 Hypholoma fasciculare
 Hypholoma lateritium
 Hypholoma subviride

Inocybe corydalina
Inocybe geophylla
Inocybe mutata
Inocybe unicolor
Inonotus circinatus
Irpex lacteus *
Ischnoderma resinosum
Laccaria bicolor
Laccaria laccata var. *pallidifolia*
Laccaria ochropurpurea
Laccaria ohiensis
Lacrymaria lacrymabunda [L. *velutina*]
Lactarius argillaceifolius
Lactarius chrysorrheus
Lactarius cinereus var. *fagetorum*
Lactarius croceus
Lactarius deceptivus
Lactarius griseus
Lactarius imperceptus
Lactarius luteolus
Lactarius mucidus
Lactarius peckii
Lactarius quietus var. *incanus*
Lactarius sordidus
Lactarius speciosus
Lactarius subpurpureus
Lactarius vinaceorufescens
Lactarius sp. [L. aff. *lignyotus*]
Lactarius sp. [L. *zonarius* var. *riparius*?]
Lactifluus corrugis [Lactarius]
Lactifluus glaucescens [Lactarius]
Lactifluus volemus [Lactarius]
Laetiporus sulphureus
Leccinum scabrum
Lentaria micheneri
Lentaria sp. [L. *byssiseda* or *micheneri*]
Lentinellus ursinus
Lentinellus sp.
Leratiomyces squamosus var. *thraustus* [Stropharia
thrausta]
Leucogloea compressa
Leucopholiota decorosa
Lycoperdon perlatum
Lycoperdon pyriforme
Lycoperdon sp.
Macrolepiota procera
Marasmiellus cf. *candidus*
Marasmiellus praeacutus
Marasmius delectans
Marasmius epiphyllus
Marasmius fulvoferrugineus
Marasmius siccus
Marasmius spissus

Meripilus sumstinei *
Merulius tremellosus *
Microporellus dealbatus
Multiclavula mucida
Mycena crocea [M. *luteopallens*]
Mycena inclinata
Mycena pura
Mycetinis opacus [Marasmiellus] (3)
Mycorrhaphium adustum
Omphalotus illudens
Onnia tomentosa (2)
Oxyporus populinus
Panaeolina foenisecii [Panaeolus]
Panellus stipticus
Parmastomyces mollissimus [P. *transmutans*]
Paxillus involutus *
Perenniporia cf. *ellipsospora* (3)
Perenniporia variegata
Phaeolus schweinitzii
Phallus ravenelii *
Phellodon tomentosus (2)
Pholiota flammans
Pholiota polychroa
Piptoporus betulinus
Pleurotus dryinus
Pleurotus ostreatus *
Pleurotus pulmonarius
Plicaturopsis crispa
Pluteus cervinus group
Polyporus alveolaris
Polyporus badius
Polyporus squamosus
Postia caesia [Oligoporus *caesius*]
Pseudoclitocybe cyathiformis
Pseudocolus fusiformis
Pseudohydnum gelatinosum
Ramaria conjunctipes
Ramaria fumigata
Retiboletus ornatipes (2)
Rhizomarasmium pyrrhocephalus
Rhizopogon aff. *nigrescens*
Rhizopogon cf. *rubescens*
Rhodocollybia maculata var. *maculata*
Russula ballouii
Russula brevipes var. *acrior*
Russula cadaveriolum
Russula compacta
Russula crustosa
Russula cyanoxantha
Russula densifolia
Russula earlei
Russula flaviceps
Russula fragrantissima

Russula laurocerasi
Russula mariae *
Russula parvovirescens
Russula silvicola
Russula subpunctata
Russula vinacea
Sarcodon underwoodii
Sarcoporia polyspora
Schizophyllum commune
Schizopora flavipora
Schizopora paradoxa group
Scleroderma areolatum
Scleroderma citrinum *
Scleroderma polyrhizum (2)
Singerocybe adirondackensis [Clitocybe] (2)
Skeletocutis nivea group
Skeletocutis sp. *
Spongipellis pachyodon
Stereum complicatum (2)
Stereum ostrea
Stereum striatum
Stereum sp.
Strobilomyces confusus
Suillus americanus
Suillus granulatus (2)
Suillus intermedius
Suillus punctipes
Suillus spraguei [S. pictus]
Suillus subalutaceus
Syzygospora mycetophila
Tapinella atrotomentosa (2)
Tapinella panuoides
Tectella patellaris (2)
Terana coerulea

Thelephora vialis
Trametes betulina [Lenzites]
Trametes cubensis [Cubamycetes]
Trametes gibbosa
Trametes hirsuta
Trametes versicolor
Trametopsis cervina
Tremella foliacea
Tremella fuciformis
Tremella mesenterica
Trichaptum abietinum
Trichaptum bifforme
Tricholoma aestuans
Tricholoma caligatum
Tricholoma saponaceum
Tricholoma sejunctum
Tricholomopsis decora
Tylopilus felleus
Tylopilus rubrobrunneus *
Tyromyces chioneus
Tyromyces galactinus
Xanthoconium affine
Xeromphalina kauffmanii
Xylobolus frustulatus
Xylobolus subpileatus

Kingdom Protozoa

Myxomycota

Fuligo septica
Lycogala epidendrum *